

Step 2. Project Abstract

Applicant Name: Anaconda-Deer Lodge County (ADLC)

Project Title: East Sixth and East Seventh Street Water Main Replacements

Project Description and Benefits to Restoration:

Constrained by mining-related groundwater contamination, Anaconda-Deer Lodge County (ADLC) continues its aggressive water main replacement program to reduce leakage as a surrogate for developing additional supply. These endeavors are proposed as “replacement” projects to offset irreparable damage to Anaconda area water resources.

UCFRB Restoration Grants have been pivotal to these efforts since 2002, funding the replacement of 32,600 feet of mains to date, beginning with critical transmission mains. But an additional 50,700 feet of century-old, leaking, thin-walled steel distribution mains dating from the era of the Anaconda Company remain in the system. Even with the recent main upgrades, over 1.3 mgd of leakage likely remains in the system, or almost one-fourth of the current 6.6 mgd well field supply. Replacement of mains has been prioritized and scheduled in ADLC’s adopted water master plan, the *Municipal Water System Preliminary Engineering Report* (HKM Engineering, 2004).

Following those priorities, ADLC is requesting funding for its sixth consecutive water project. The East Sixth and East Seventh Street renewal proposes 4,960 feet of replacement using new eight- and six-inch ductile iron pipe. This sorely needed project was originally scheduled for 2006, as part of a 2005 Restoration Grant. City-County cash shortages and concern over construction cost inflation prompted its cancellation. This proposal seeks to reinstate funding for the project, with an updated construction cost estimate and more realistic ADLC match commitment, given its currently strained financial circumstances.

In 1992 three major leaks were identified along the project corridors, totaling an estimated 10 gpm. The new mains are estimated to conserve up to 47 million gallons of water per year previously lost to leakage, representing a potential annual cost savings of \$50,300.

No long term adverse environmental impacts are predicted from the project, and substantial permanent benefits to Anaconda’s infrastructure and residents will result. Transient impacts associated with project construction have been identified, and suitable mitigation for these is proposed.

The proposed East Sixth and East Seventh Street main replacements are estimated to cost \$1,314,487.58, including ADLC proposed in-kind match of \$75,156.08. Draft design plans and specifications were completed in February 2006, and will be finalized under this proposal. Unlike earlier proposals, the City-County is unable to afford a cash contribution this year as grant match. This results from the unanticipated reallocation of available cash in its Water Enterprise Fund to reestablish adequate reserves and coverage on a 1992 bond issue for well field and storage tank improvements, per a 2006 audit. ADLC is initiating a water rate study, and proposing a companion system-wide metering study in a separate 2007 NRD grant proposal, in an effort to improve its financial capacity.

This project proposal is an essential “catch up” step in Anaconda’s critical water infrastructure upgrades. It represents fiscally and environmentally responsible planning on the part of the City-County to mitigate resource losses due to past mining-related degradation.

PROJECT BUDGET SUMMARY FORM									
EXPENSE CATEGORY		UCFRB RESTORATION FUND	APPLICANT CONTRIBUTION			OUTSIDE SOURCES			TOTAL
			Cash	In-Kind	Subtotal	Cash	In-Kind	Subtotal	
1	SALARIES AND WAGES			\$9,746.94	\$9,746.94				\$9,746.94
2	FRINGE BENEFITS			\$2,729.14	\$2,729.14				\$2,729.14
3	CONTRACTED SERVICES	\$1,239,331.50		\$5,000.00	\$5,000.00				\$1,244,331.50
4	SUPPLIES AND MATERIALS						\$57,680.00	\$57,680.00	\$57,680.00
5	COMMUNICATIONS								
6	TRAVEL								
7	RENT AND UTILITIES								
8	EQUIPMENT								
9	MISCELLANEOUS								
TOTAL		\$1,239,331.50		\$17,476.08	\$17,476.08		\$57,680.00	\$57,680.00	\$1,314,487.58

In electronic form this spreadsheet will automatically calculate the expense totals from the following Budget Detail Form.